Clinical Infectious Diseases

An Official Publication of the Infectious Diseases Society of America

EDITORS & STAFF

Sydney M. Finegold, *Editor*
Richard D. Meyer, *Deputy Editor*
Arnold Bayer, *Associate Editor*
James D. Cherry, *Associate Editor*
John E. Edwards, Jr., *Associate Editor*
W. Lance George, *Associate Editor*
Ellie J. C. Goldstein, *Associate Editor*
Maury E. Mulligan, *Associate Editor*
Lauri D. Thrupp, *Associate Editor*
Esther Zollman, *Managing Editor*
Seleen Street Collins *Manuscript Editor*
Susan A. Efteland, *Manuscript Editor*
Linda Litchfield, *Manuscript Editor*
Jill Reynolds, *Editorial Assistant*
Michele Clevering, *Manuscript Coordinator*

EDITORIAL BOARD

Jacques F. Acar, Paris, France
Robert D. Arbeit, Boston, Massachusetts
Ellen Jo Baron, Los Angeles, California
John G. Bartlett, Baltimore, Maryland
John E. Bennett, Bethesda, Maryland
Martin J. Blaser, Nashville, Tennessee
S. Peter Borriello, Nottingham, United Kingdom
Giuseppe A. Botta, Udine, Italy
Emilio Bouza, Madrid, Spain
Juhani Eskola, Helsinki, Finland
Dale N. Gerding, Chicago, Illinois
Anne A. Gershon, New York, New York
Helen Giamarellou, Athens, Greece
Godfrey K. M. Harding, Winnipeg, Manitoba, Canada
M. Colin Jordan, Minneapolis, Minnesota
James H. Jorgensen, San Antonio, Texas
Hannele Jousimies-Somer, Helsinki, Finland
Carol A. Kauffman, Ann Arbor, Michigan
Daria N. Love, Sydney, New South Wales, Australia
Gerald L. Mandell, Charlottesville, Virginia
Walter Marget, Munich, Germany
Thomas J. Marrie, Halifax, Nova Scotia, Canada
Fançoise Meunier, Brussels, Belgium
Daniel M. Musher, Houston, Texas
Michael A. Pfaller, Iowa City, Iowa
Ian Phillips, London, United Kingdom
Philip A. Pizzo, Bethesda, Maryland
Paul G. Quie, Minneapolis, Minnesota
Allan R. Ronald, Winnipeg, Manitoba, Canada
W. Michael Scheld, Charlottesville, Virginia
Haroun N. Shah, London, United Kingdom
Tania C. Sorrell, Westmead, New South Wales, Australia
Morton N. Swartz, Boston, Massachusetts
Luis Trabulsi, São Paulo, Brazil
Kazue Ueno, Gifu, Japan
Thomas J. Walsh, Bethesda, Maryland
Richard P. Wenzel, Iowa City, Iowa
Hannah M. Wexler, Los Angeles, California
Emanuel Wolinsky, Cleveland, Ohio

EDITORS OF AIDS/TB COMMENTARY

John P. Phair, Chicago, Illinois
Wafaa El-Sadr, New York, New York

EDITORS OF CLINICAL MICROBIOLOGY SECTION

Melvin P. Weinstein, New Brunswick, New Jersey
L. Barth Reller, Durham, North Carolina

EDITOR OF MEDICO-LEGAL SECTION

Allan R. Ronald, Winnipeg, Manitoba, Canada

EDITOR OF PHOTO QUIZ FEATURE

Philip A. Mackowiak, Baltimore, Maryland

Volume 21

July–December 1995

All rights reserved
THE UNIVERSITY OF CHICAGO PRESS, CHICAGO
THE UNIVERSITY OF CHICAGO PRESS LTD., LONDON S.W. 1

© 1995 BY THE UNIVERSITY OF CHICAGO
PUBLISHED MONTHLY JANUARY–DECEMBER

PRINTED IN USA

Clinical Infectious Diseases

Volume 21 • Number 1 *July 1995*

i Checklist for Submitted Manuscripts

ii Abbreviations List

State-of-the-Art Clinical Article

1 Leptospirosis
R. Wesley Farr

Tuberculosis Commentary

9 Treatment of Tuberculosis and Tuberculosis Infection in Adults and Children
Ad Hoc Committee of the Scientific Assembly on Microbiology, Tuberculosis, and Pulmonary Infections

Clinical Articles

28 Clinical and Host Differences Between Infections with the Two Varieties of *Cryptococcus neoformans*
Bryan Speed and David Dunt

35 Editorial Response: Clinical and Host Differences Between Infections with the Two Varieties of *Cryptococcus neoformans*
Michael S. Saag

37 Multiorgan Microsporidiosis: Report of Five Cases and Review
Gunnar Gunnarsson, David Hurlbut, Paola C. DeGirolami, Micheline Federman, and Christine Wanke

45 Stool Carriage, Clinical Isolation, and Mortality During an Outbreak of Vancomycin-Resistant Enterococci in Hospitalized Medical and/or Surgical Patients
Carol L. Wells, Billie A. Juni, Sarah B. Cameron, Keith R. Mason, David L. Dunn, Patricia Ferrieri, and Frank S. Rhame

50 **Arcanum**

51 Cervical Necrotizing Fasciitis: Clinical Manifestations and Management
D. Mathieu, R. Neviere, C. Teillon, J. L. Chagnon, N. Lebleu, and F. Wattel

57 Massive Outbreak of Waterborne Cryptosporidium Infection in Milwaukee, Wisconsin: Recurrence of Illness and Risk of Secondary Transmission
William R. Mac Kenzie, Wendy L. Schell, Kathleen A. Blair, David G. Addiss, Dan E. Peterson, Neil J. Hoxie, James J. Kazmierczak, and Jeffrey P. Davis

63 Editorial Response: Waterborne Cryptosporidiosis—Setting the Stage for Control of an Emerging Pathogen
Rosemary Soave

65 Localized Soft-Tissue Infections with *Mycobacterium avium/Mycobacterium intracellulare* Complex in Immunocompetent Patients: Granulomatous Tenosynovitis of the Hand or Wrist
Walter C. Hellinger, Jerry D. Smilack, Jack L. Greider, Jr., Salvador Alvarez, Stephen D. Trigg, Nelson S. Brewer, and Randall S. Edson

70 Disseminated Microsporidiosis Due to *Septata intestinalis* in Nine Patients Infected with the Human Immunodeficiency Virus: Response to Therapy with Albendazole
Gregory J. Dore, Deborah J. Marriott, Michael C. Hing, John L. Harkness, and Andrew S. Field

77 Clinical Manifestations and Implications of Coinfection with *Mycobacterium kansasii* and Human Immunodeficiency Virus Type 1
Richard S. Witzig, Barkat A. Fazal, Robertino M. Mera, David M. Mushatt, Pierre M. J. T. Dejace, Donald L. Greer, and Newton E. Hyslop, Jr.

86 A Multicenter Comparative Study of Meropenem and Imipenem/Cilastatin in the Treatment of Complicated Urinary Tract Infections in Hospitalized Patients
Clair E. Cox, William J. Holloway, and Ronald W. Geckler

93 Invasive Staphylococcal Infections Complicating Percutaneous Transluminal Coronary Angioplasty: Three Cases and Review
Kerry O. Cleveland and Michael S. Gelfand

97 Is *Blastocystis hominis* a Cause of Diarrhea in Travelers? A Prospective Controlled Study in Nepal
David R. Shlim, Charles W. Hoge, Ramachandra Rajah, J. Gregory Rabold, and Peter Echeverria

102 Editorial: *Blastocystis hominis* and Traveler's Diarrhea
J. S. Keystone

104 Editorial: Is There Any Reason to Continue Treating Blastocystis Infections?
Edward K. Markell

106 Factors Associated with the Development of *Pneumocystis carinii* Pneumonia in 5,025 European Patients with AIDS
J. D. Lundgren, S. E. Barton, A. Lazzarin, S. Danner, F. D. Goebel, P. Pehrson, F. Mulcahy, J. Kosmidis, C. Pedersen, A. N. Phillips, and the AIDS in Europe Study Group

114 A Prospective Study of Daily Measurement of C-Reactive Protein in Serum of Adults with Neutropenia
Farrin A. Manian

122 Failure of Culture and Polymerase Chain Reaction to Detect Human Immunodeficiency Virus (HIV) in Seronegative Steady Sexual Partners of HIV-Infected Individuals
Rob Roy MacGregor, Gary Dubin, Ian Frank, Richard L. Hodinka, and Harvey M. Friedman

128 Clinical Significance of Nontuberculous Mycobacteria Isolates in a Canadian Tertiary Care Center
S. Choudhri, J. Manfreda, J. Wolfe, S. Parker, and R. Long

134 Prosthetic Joint Infection Due to *Mycobacterium tuberculosis:* Report of Three Cases
Jason I. N. Tokumoto, Stephen E. Follansbee, and Richard A. Jacobs

137 Sinonasal Non-Hodgkin's Lymphoma in Patients Infected with Human Immunodeficiency Virus: Report of Three Cases and Review
Paul V. Pomilla, Anne B. Morris, and Amy Jaworek

150 Return to the Past: The Case for Antibody-Based Therapies in Infectious Diseases
Arturo Casadevall and Matthew D. Scharff

162 Pyoderma Fistulans Sinifica (Fox Den Disease): A Distinctive Soft-Tissue Infection
Dietmar H. Wittmann, Moshe Schein, Debra Seoane, Charles Aprahamian, Richard A. Komorowski, Kristina Georgakas, Edward J. Quebbeman, James R. Wallace, and Robert E. Condon

171 Changes in the Core Tonsillar Bacteriology of Recurrent Tonsillitis: 1977–1993
Itzhak Brook, Paula Yocum, and Perry A. Foote, Jr.

177 Incidence and Pathogenicity of *Arcanobacterium haemolyticum* During a 2-Year Study in Ottawa
Andrew Mackenzie, Louise A. Fuite, Francis T. H. Chan, Jim King, Upton Allen, Noni MacDonald, and Francisco Diaz-Mitoma

182 Purulent Pericarditis Caused by *Candida* Species: Case Report and Review
John H. Schrank, Jr. and David P. Dooley

188 Liposomal Amphotericin B (AmBisome) in the Treatment of Complicated Kala-Azar Under Field Conditions
Jill Seaman, Coby Boer, Robert Wilkinson, Joop de Jong, Eric de Wilde, Egbert Sondorp, and Robert Davidson

Notes

194 Oral Ciprofloxacin for Treatment of Infection Following Nail Puncture Wounds of the Foot
Raul Raz and Dan Miron

196 Mesangioproliferative Glomerulonephritis and Antibodies to Phospholipids in a Patient with Acute Q Fever: Case Report
Carles Tolosa-Vilella, Angel Rodríguez-Jornet, Juli Font-Rocabanyera, and Xavier Andreu-Navarro

199 Diagnosis of *Legionella pneumophila* Infection by Polymerase Chain Reaction
Michio Koide and Atsushi Saito

202 Candidal Brain Abscess Associated with Vascular Invasion: A Devastating Complication of Vascular Catheter–Related Candidemia
Susan J. Burgert, David C. Classen, John P. Burke, and Duane D. Blatter

205 **Answer to the Arcanum**

206 Severe Respiratory Insufficiency Complicating Epstein-Barr Virus Infection: Case Report and Review
A. Haller, L. von Segesser, P. C. Baumann, and M. Krause

210 Renal Aspergilloma Due to *Aspergillus flavus*
Zia U. Khan, G. Gopalakrishnan, Khaleel Al-Awadi, Ram K. Gupta, Sami A. Moussa, Tulsi D. Chugh, and Dimitrolos Krajci

213 Bacteremia Due to Haemophilus Infections: A Retrospective Study with Emphasis on the Elderly
Wadie I. Najm, Thomas C. Cesario, and Lincoln Spurgeon

217 Granulomatous Tophaceous Gout Mimicking Tuberculous Tenosynovitis: Report of Two Cases
Jay R. Kostman, Patrick Rush, and Antonio J. Reginato

220 High Levels of Interleukin 10 and Tumor Necrosis Factor α in Cerebrospinal Fluid During the Onset of Bacterial Meningitis
A. Marceline van Furth, Els M. Seijmonsbergen, Jan A. M. Langermans, Paul H. P. Groeneveld, Chris E. de Bel, and Ralph van Furth

Correspondence

223 Use of Vancomycin for the Treatment of *Corynebacterium xerosis* Pneumonia
Roger Bayston

223 Miliary Liver Abscesses and Skin Infection Due to *Yersinia enterocolitica* in a Patient with Unsuspected Hemochromatosis
Julio Collazos, Elena Guerra, Arantza Fernández, Jose Mayo, and Eduardo Martínez

225 Pulmonary Infection Due to *Leuconostoc* Species in a Patient with AIDS
Silvia Ferrer, Gonzalo de Miguel, Pere Domingo, Roser Pericas, and Guillem Prats

226 Use of Fluconazole Is Not Associated with a Higher Incidence of *Candida krusei* and Other Non-*albicans Candida* Species
A. Kunová, J. Trupl, S. Dluholucký, G. Galová, and V. Krčméry, Jr.

228 Isolated Gummatous Splenitis
Carlos M. Pérez, Augusto León, David Oddó, Marisol Sirham, Eugenio F. Vinés, Jaime A. Labarca, and Guillermo G. Acuña

229 Esophageal Leishmaniasis in a Patient Infected with the Human Immunodeficiency Virus
Alfonso Gutiérrez-Macías, Juan José Alonso-Alonso, and Ciriaco Aguirre-Errasti

230 Recurrent *Streptococcus pyogenes* Pharyngitis Due to an Inadequately Cleaned Orthodontic Appliance
Riad Khatib and Vasilios Pozios

231 Six Cases in Which Mesenteric Lymphadenitis Due to Non-*typhi Salmonella* Caused an Appendicitis-Like Syndrome
Pilar García-Corbeira, José Manuel Ramos, José María Aguado, and Francisco Soriano

232 Septic Shock Due to *Pasteurella multocida* Subspecies *multocida* in a Previously Healthy Woman
Guillermo Ruiz-Irastorza, Concepcion Garea, Juan J. Alonso, Jose L. Hernandez, Koldo Aguirrebengoa, Javier Alonso, and Ciriaco Aguirre

234 Failure of Cefotaxime Treatment in a Patient with Penicillin-Resistant Pneumococcal Meningitis and Confirmation of Nosocomial Spread by Random Amplified Polymorphic DNA Analysis
Josette Raymond, Edouard Bingen, Catherine Doit, Naïma Brahimi, Michel Bergeret, Jean Badoual, and Dominique Gendrel

235 Sepsis Due to *Clostridium perfringens* After Second-Trimester Amniocentesis
Yedidya Hovav, Eliezer Hornstein, Raphael N. Pollack, and Chaim Yaffe

236 Bacteremia and Suppurative Lymphadenitis Due to *Yersinia enterocolitica* in a Neutropenic Patient Who Prepared Chitterlings
Christopher M. Kellogg, Elias A. Tarakji, Mitchell Smith, and Patricia D. Brown

237 Diarrhea Associated with *Vibrio fluvialis* Infection in a Patient with AIDS
Theo W. Hodge, Jr., Charles S. Levy, and Margo A. Smith

238 Liver Abscess Due to Pyridoxal-Dependent *Streptococcus mitis*
Kevin W. Shea, Paul E. Schoch, Natalie C. Klein, and Burke A. Cunha

240 Fatal Toxic Epidermal Necrolysis in Patients with AIDS
Eric Caumes and Marc Gentilini

240 Reply
Augusta Torresin, Bruno Guida, Nicolò Piersantelli, Luigi Massone, and Andrea Pestarino

241 Cholera Gravis Caused by *Vibrio cholerae* O139, a Novel, Imported Pathogen
Tarun K. Sharma, Michael B. Snyder, Bruce M. Eisenberg, and Alan F. Cutler

242 Pitfalls of Computerized Literature Searches
Ziad Haydar and William B. Greenough III

Book Reviews

243 HIV Infection in Women
Written by Howard Minkoff
Reviewed by Susan C. Ball

243 The Skin and Infection: A Color Atlas and Text
Written by Charles V. Sanders and Lee T. Nesbitt, Jr.
Reviewed by Larry M. Baddour

245 **Notices**

247 **Preliminary Program for the 1995 IDSA Annual Meeting**

258 **Statement of Editoral Policy**

260 **Instructions to Authors**

Volume 21 • Number 2 *August 1995*

i **Checklist for Submitted Manuscripts**

ii **Abbreviations List**

Summary of Current Nomenclature, Taxonomy, and Classification

263 Nomenclature for Aerobic and Facultative Bacteria
David A. Bruckner and Paul Colonna

273 Microbiology Terminology Update: Clinically Significant Anaerobic Gram-Positive and Gram-Negative Bacteria (Excluding Spirochetes)
Paula Summanen

277 Selected Medically Important Fungi and Some Common Synonyms and Obsolete Names
Michael R. McGinnis and Michael G. Rinaldi

279 Viral Taxonomy
Marjorie J. Miller

281 Classification of Human Parasites, Vectors, and Similar Organisms
Lynne S. Garcia

State-of-the-Art Clinical Article

283 An Overview of Human Brucellosis
Edward J. Young

Tuberculosis Commentary

291 Diagnostic Mycobacteriology Laboratory Practices
Thomas M. Shinnick and Robert C. Good

Clinical Articles

300 Magnetic Resonance Imaging of the Brain in Patients with Cerebral Malaria
S. Looareesuwan, P. Wilairatana, S. Krishna, B. Kendall, S. Vannaphan, C. Viravan, and N. J. White

310 Lower Respiratory Tract Infections Following Cardiac Arrest and Cardiopulmonary Resuscitation
Jordi Rello, Jordi Vallés, Paola Jubert, Antoni Ferrer, Christian Domingo, Dolors Mariscal, Dionisia Fontanals, and Antoni Artigas

315 **Photo Quiz**

316 Prevalence of Asymptomatic Bacteriuria and Associated Host Factors in Women with Diabetes Mellitus
George G. Zhanel, Lindsay E. Nicolle, Godfrey K. M. Harding, and the Manitoba Diabetic Urinary Infection Study Group

323 Meningitis Caused by *Candida* Species: An Emerging Problem in Neurosurgical Patients
M. Hong Nguyen and Victor L. Yu

328 Familial Carriage of Methicillin-Resistant *Staphylococcus aureus* and Subsequent Infection in a Premature Neonate
Richard J. Hollis, Joan L. Barr, Bradley N. Doebbeling, Michael A. Pfaller, and Richard P. Wenzel

333 Clinical and Microbiological Characteristics of Severe Group A Streptococcus Infections and Streptococcal Toxic Shock Syndrome
Arthur L. Forni, Edward L. Kaplan, Patrick M. Schlievert, and Richard B. Roberts

341 Zaldaride Maleate (a New Calmodulin Antagonist) Versus Loperamide in the Treatment of Traveler's Diarrhea: Randomized, Placebo-Controlled Trial
P. C. Okhuysen, H. L. DuPont, C. D. Ericsson, S. Marani, F. G. Martinez-Sandoval, M. A. Olesen, and G. P. Ravelli

345 Pneumococcal Bacteremia in Adults: A 14-Year Experience in an Inner-City University Hospital
Bekele Afessa, Wayne L. Greaves, and Winston R. Frederick

352 Neuroretinitis, Aseptic Meningitis, and Lymphadenitis Associated with *Bartonella (Rochalimaea) henselae* Infection in Immunocompetent Patients and Patients Infected with Human Immunodeficiency Virus Type 1
Michael T. Wong, Matthew J. Dolan, Charles P. Lattuada, Jr., Russell L. Regnery, Maria L. Garcia, Elizabeth C. Mokulis, RoseAnne C. LaBarre, David P. Ascher, Judy A. Delmar, J. William Kelly, Douglas R. Leigh, Anne C. McRae, J. Brian Reed, Robert E. Smith, and Gregory P. Melcher

361 Invasive Fungal Disease in Adults Undergoing Remission-Induction Therapy for Acute Myeloid Leukemia: The Pathogenetic Role of the Antileukemic Regimen
Eric J. Bow, Ruth Loewen, Mary S. Cheang, and Brent Schacter

370 Clinical Spectrum of Herpes Zoster in Adults Infected with Human Immunodeficiency Virus
Marshall J. Glesby, Richard D. Moore, and Richard E. Chaisson

376 Respiratory Syncytial Virus Pneumonia in Hospitalized Adult Patients with Leukemia
Estella Whimbey, Robert B. Couch, Janet A. Englund, Michael Andreeff, James M. Goodrich, Issam I. Raad, Victor Lewis, Nadeem Mirza, Mario A. Luna, Barbara Baxter, Jeffrey J. Tarrand, and Gerald P. Bodey

380 Persistence of *Borrelia burgdorferi* Sensu Lato in Resolved Erythema Migrans Lesions
Franc Strle, Yu Cheng, Joze Cimperman, Vera Maraspin, Stanka Lotric-Furlan, Jeffrey A. Nelson, Maria M. Picken, Eva Ruzic-Sabljic, and Roger N. Picken

390 Spectrum and Significance of Bacteremia Due to *Moraxella catarrhalis*
John P. A. Ioannidis, Michael Worthington, Jeffrey K. Griffiths, and David R. Snydman

398 Tuberculosis in Heart Transplant Recipients
P. Muñoz, J. Palomo, R. Muñoz, M. Rodríguez-Creixéms, T. Pelaez, and E. Bouza

403 Infections Complicating Tunneled Intraspinal Catheter Systems Used to Treat Chronic Pain
Karin Byers, Peter Axelrod, Susan Michael, and Steven Rosen

409 Comparison of Azithromycin and Ceftriaxone for the Treatment of Chancroid
David H. Martin, Susie J. Sargent, George D. Wendel, Jr., William M. McCormack, Norman A. Spier, and Raymond B. Johnson

Review Article

415 Thrombocytopenia in Patients Infected with Human Immunodeficiency Virus: Treatment Update
Aaron E. Glatt and Ajay Anand

Notes

424 *Chlamydia trachomatis* Seropositivity During Pregnancy Is Associated with Perinatal Complications
Mesut Gencay, Marjaleena Koskiniemi, Pekka Saikku, Mirja Puolakkainen, Kari Raivio, Pentti Koskela, and Antti Vaheri

427 Usefulness of Bone Marrow Examination in the Evaluation of Unexplained Fevers in Patients Infected with Human Immunodeficiency Virus
Eric Engels, Peter W. Marks, and Powel Kazanjian

429 **Answer to Photo Quiz**

430 Juvenile Dermatomyositis in a Child Infected with Human Parvovirus B19
Raymond M. Lewkonia, Duff Horne, and Magdy R. Dawood

433 Sporotrichoid Lymphangitis Due to *Staphylococcus aureus* in a Diabetic Patient
Amara A. Lieberman, Marc E. Grossman, and David Bloomgarden

435 Delirium Associated with Acyclovir Treatment in a Patient with Renal Failure
Sanjay G. Revankar, Amy L. Applegate, and David M. Markovitz

437 *Pseudomonas aeruginosa* Folliculitis Due to Non-O:11 Serogroups: Acquisition Through Use of Contaminated Synthetic Sponges
A. N. Maniatis, C. Karkavitsas, N. A. Maniatis, E. Tsiftsakis, V. Genimata, and N. J. Legakis

440 *Candida albicans* Septic Thrombosis of the Right Atrium Is Associated with a Central Venous Catheter
Alain Kentos, Philippe Dufaye, Frédérique Jacobs, Jean-Marie De Smet, Elisabeth Serruys, and Jean-Pierre Thys

Correspondence

443 Clinical Course and Treatment of Adults with Severe Measles Pneumonitis
Matthew Bidwell Goetz and Glenn E. Mathisen

443 Disk Space Infection Due to *Gardnerella vaginalis*
Theo W. Hodge, Jr., Charles S. Levy, and Margo A. Smith

445 *Pasteurella pneumotropica* Pneumonia in a Patient with AIDS
Luis Miguel Cuadrado-Gómez, Jose Alberto Arranz-Caso, Juan Cuadros-González, and Fernando Albarrán-Hernández

446 Treatment of *Peptostreptococcus micros* Endocarditis with Teicoplanin
C. Wenisch, E. Wiesinger, T. Werkgartner, A. Makristathis, and W. Graninger

447 Borreliosis as a Cause of Fever in a Woman Who Recently Returned from Saudi Arabia
Yi-Kong Keung, Everardo Cobos, Robert C. Kimbrough III, and Ronald C. Carver

448 Use of the Duke Criteria for the Diagnosis of Infective Endocarditis
G. Alfred Dodds III, Murray A. Abramson, G. Ralph Corey, Joseph Kisslo, and Daniel J. Sexton

449 Reply
C. Fordham von Reyn and Robert D. Arbeit

450 Use of Itraconazole for Treatment of Sporotrichosis Involving a Knee Prosthesis
Del J. DeHart

451 Primary Human Immunodeficiency Virus Infection Presenting as Myopericarditis and Rhabdomyolysis
Marie-Paule Guillaume, Danièle Van Beers, Marie-Luce Delforge, Jacques Devriendt, and Elie Cogan

452 Toxoplasmosis of the Bladder in a Patient with AIDS
J. M. Besnier, M. Verdier, F. Cotty, F. Fétissof, A. Besancenez, and P. Choutet

454 A Case of Anaerobic Pericarditis
Robert M. Rakita and Ernesto G. Scerpella

455 Antibiotic-Associated Pseudomembranous Enteritis Due to *Clostridium difficile*
Michael McBride

456 Hallucinations Associated with Itraconazole Therapy
Kerry O. Cleveland and Jeffery W. Campbell

457 Spinal Cord Compression Due to Anaerobic Vertebral Osteomyelitis in a Patient with Metastatic Prostate Cancer
S. Bilgrami, E. L. Pesanti, N. T. Singh, R. J. Cobb, L. L. Chen, and V. Synnott

458 Subdural Empyema Caused by *Escherichia coli:* Hematogenous Dissemination to a Preexisting Chronic Subdural Hematoma
Stef Bakker, Jan Kluytmans, Jan C. den Hollander, and Süan-Tê Lie

459 Brain Abscess Due to *Nocardia brasiliensis* Hematogenously Spread from a Pulmonary Infection
M. Tarek Naguib and Douglas P. Fine

460 Treatment of Methicillin-Resistant *Staphylococcus aureus* Infection with Quinupristin/Dalfopristin
Margarita D. Torralba, Sharon E. Frey, and L. Martin Lagging

Book Review

462 Cutaneous Manifestations of Infection in the Immunocompromised Host
Written by Marc E. Grossman and Jeffrey Roth
Reviewed by Charles V. Sanders

463 **Notices**

464 **Preliminary 1995 Program of the IDSA Annual Meeting**

475 **Statement of Editorial Policy**

477 **Instructions to Authors**

Volume 21 • Supplement 1 *August 1995*

PREVENTION OF OPPORTUNISTIC INFECTIONS IN PERSONS INFECTED WITH HUMAN IMMUNODEFICIENCY VIRUS

i Table of Contents for USPHS/IDSA Guidelines: Introduction, Overview, and Disease-Specific Recommendations

S1 USPHS/IDSA Guidelines for the Prevention of Opportunistic Infections in Persons Infected with Human Immunodeficiency Virus: Introduction
Jonathan E. Kaplan, Henry Masur, King K. Holmes, Michael M. McNeil, Lawrence B. Schonberger, Thomas R. Navin, Debra L. Hanson, Peter A. Gross, Harold W. Jaffe, and the USPHS/IDSA Prevention of Opportunistic Infections Working Group

S12 USPHS/IDSA Guidelines for the Prevention of Opportunistic Infections in Persons Infected with Human Immunodeficiency Virus: An Overview
Jonathan E. Kaplan, Henry Masur, King K. Holmes, Catherine M. Wilfert, Rhoda Sperling, Sharon A. Baker, Carol Braun Trapnell, Kenneth A. Freedberg, Deborah Cotton, William G. Powderly, Harold W. Jaffe, and the USPHS/IDSA Prevention of Opportunistic Infections Working Group

S32 USPHS/IDSA Guidelines for the Prevention of Opportunistic Infections in Persons Infected with Human Immunodeficiency Virus: Disease-Specific Recommendations
USPHS/IDSA Prevention of Opportunistic Infections Working Group

S44 Preventing *Pneumocystis carinii* Pneumonia in Persons Infected with Human Immunodeficiency Virus
R. J. Simonds, Walter T. Hughes, Judith Feinberg, and Thomas R. Navin

S49 Preventing Toxoplasmic Encephalitis in Persons Infected with Human Immunodeficiency Virus
Frank O. Richards, Jr., Joseph A. Kovacs, and Benjamin J. Luft

S57 Cryptosporidiosis: Sources of Infection and Guidelines for Prevention
Dennis D. Juranek

S62 Microsporidiosis as an AIDS-Related Opportunistic Infection
Ralph T. Bryan

S66 Tuberculosis as an Opportunistic Disease in Persons Infected with Human Immunodeficiency Virus
Kenneth G. Castro

S72 Preventing Disseminated *Mycobacterium avium* Complex Disease in Patients Infected with Human Immunodeficiency Virus
Stephen M. Ostroff, Richard A. Spiegel, Judith Feinberg, Constance A. Benson, and C. Robert Horsburgh, Jr.

S77 Preventing Bacterial Respiratory Tract Infections Among Persons Infected with Human Immunodeficiency Virus
David W. Keller and Robert F. Breiman

S84 Bacterial Enteric Infections in Persons Infected with Human Immunodeficiency Virus
Frederick J. Angulo and David L. Swerdlow

S94 Infections Associated with *Bartonella* Species in Persons Infected with Human Immunodeficiency Virus
Russell L. Regnery, James E. Childs, and Jane E. Koehler

S99 Opportunistic Candidal Infections in Patients Infected with Human Immunodeficiency Virus: Prevention Issues and Priorities
Susan E. Reef and Kenneth H. Mayer

S103 Prospects for Preventing Cryptococcosis in Persons Infected with Human Immunodeficiency Virus
Robert W. Pinner, Rana A. Hajjeh, and William G. Powderly

S108 Disseminated Histoplasmosis in Persons Infected with Human Immunodeficiency Virus
Rana A. Hajjeh

S111 Opportunistic Coccidioidomycosis in Patients Infected with Human Immunodeficiency Virus: Prevention Issues and Priorities
Michael M. McNeil and Neil M. Ampel

S114 Herpesvirus Infections in Persons Infected with Human Immunodeficiency Virus
John A. Stewart, Susan E. Reef, Philip E. Pellett, Lawrence Corey, and Richard J. Whitley

S121 Human Papillomavirus Infection and Associated Disease in Persons Infected with Human Immunodeficiency Virus
Suzanne D. Vernon, King K. Holmes, and William C. Reeves

S125 Quality Standards for Preventing Opportunistic Infections Related to Human Immunodeficiency Virus and Their Implementation
John P. Phair, Peter A. Gross, Jonathan E. Kaplan, Henry Masur, King K. Holmes, and Catherine M. Wilfert

S126 Quality Standard for the Enumeration of $CD4^+$ Lymphocytes in Adults and Adolescents Infected with Human Immunodeficiency Virus
Peter A. Gross, John P. Phair, Jonathan E. Kaplan, King K. Holmes, and Henry Masur

S128 Quality Standard for the Prophylaxis of *Pneumocystis carinii* Pneumonia in Adults and Adolescents Infected with Human Immunodeficiency Virus
John P. Phair, Henry Masur, Peter A. Gross, King K. Holmes, and Jonathan E. Kaplan

S130 Quality Standard for the Identification and Treatment of Persons Coinfected with Human Immunodeficiency Virus and *Mycobacterium tuberculosis*
John P. Phair, Peter A. Gross, Jonathan E. Kaplan, Henry Masur, King K. Holmes, Catherine M. Wilfert, William J. Martone, and Kenneth G. Castro

S132 Quality Standard for the Prophylaxis of *Pneumocystis carinii* Pneumonia in Infants and Children Born to Women Infected with Human Immunodeficiency Virus
Catherine M. Wilfert, Henry Masur, Peter A. Gross, Jonathan E. Kaplan, King K. Holmes, John P. Phair, and R. J. Simonds

S134 Quality Standard for the Enumeration of $CD4^+$ Lymphocytes in Infants and Children Exposed to or Infected with Human Immunodeficiency Virus
Catherine M. Wilfert, Peter A. Gross, Jonathan E. Kaplan, King K. Holmes, Henry Masur, John P. Phair, and R. J. Simonds

S136 Quality Standard for the Immunization of Infants and Children Born to Women Infected with Human Immunodeficiency Virus
Catherine M. Wilfert, Jonathan E. Kaplan, Peter A. Gross, Henry Masur, King K. Holmes, and John P. Phair

S138 Indicators for Assessment of Compliance with Quality Standards for the Prevention of Opportunistic Infections in Persons Infected with Human Immunodeficiency Virus
Peter A. Gross, Jonathan E. Kaplan, John P. Phair, Henry Masur, Catherine M. Wilfert, and King K. Holmes

Volume 21 • Number 3 *September 1995*

i **Checklist for Submitted Manuscripts**

ii **List of Abbreviations**

State-of-the-Art Clinical Article

479 Infections of the Eye
Jules Baum

Tuberculosis Commentary

489 Nosocomial Tuberculosis: New Progress in Control and Prevention
John E. McGowan, Jr.

Clinical Articles

506 Short-Course Doxycycline Treatment Versus Conventional Tetracycline Therapy for Scrub Typhus: A Multicenter Randomized Trial
Jae-Hoon Song, Cheolwhan Lee, Woo Hyun Chang, Seung Won Choi, Jeong Eun Choi, Yang Soo Kim, Seung Ryul Cho, Jiso Ryu, and Chik Hyun Pai

511 Transmission of *Toxoplasma gondii* Infection by Liver Transplantation
James T. Mayes, Barry J. O'Connor, Robin Avery, William Castellani, and William Carey

515 **Arcanum**

516 Enterococcal Arthritis: Case Report and Review
Nigel J. Raymond, John Henry, and Kimberly A. Workowski

523 Salmonella Mycotic Aneurysm of the Aortic Arch: Case Report and Review
David Meerkin, Amos M. Yinnon, R. Gabriel Munter, Ovadiah Shemesh, Nurith Hiller, and Abraham S. Abraham

529 Aspergillus Sinusitis in Patients with AIDS: Report of Three Cases and Review
Winnie Teh, Brenda S. Matti, Harish Marisiddaiah, and Grace Y. Minamoto

536 Use of Azithromycin for the Treatment of Campylobacter Enteritis in Travelers to Thailand, an Area Where Ciprofloxacin Resistance Is Prevalent
Robert A. Kuschner, Andrew F. Trofa, Richard J. Thomas, Charles W. Hoge, Chittima Pitarangsi, Steven Amato, Raymond P. Olafson, Peter Echeverria, Jerald C. Sadoff, and David N. Taylor

542 Editorial Response: Antimicrobial-Resistant *Campylobacter* Species—A New Threat to Travelers to Thailand
Herbert L. DuPont

544 Meropenem Versus Tobramycin Plus Clindamycin for Treatment of Intraabdominal Infections: Results of a Prospective, Randomized, Double-Blind Clinical Trial
Robert E. Condon, Alonzo P. Walker, Kenneth R. Sirinek, Patrick W. White, Timothy C. Fabian, Ronald L. Nichols, and Samuel E. Wilson

551 Congenital Chagas' Disease: Diagnostic and Clinical Aspects
Hector Freilij and Jaime Altcheh

556 Transmission of Zidovudine-Resistant Human Immunodeficiency Virus Type 1 Variants Following Deliberate Injection of Blood from a Patient with AIDS: Characteristics and Natural History of the Virus
Jan Veenstra, Rob Schuurman, Marion Cornelissen, Angélique B. van 't Wout, Charles A. B. Boucher, Hanneke Schuitemaker, Jaap Goudsmit, and Roel A. Coutinho

561 Transmission of Fluconazole-Resistant *Candida albicans* Between Patients with AIDS and Oropharyngeal Candidiasis Documented by Pulsed-Field Gel Electrophoresis
Francesco Barchiesi, Richard J. Hollis, Maurizio Del Poeta, Deanna A. McGough, Giorgio Scalise, Michael G. Rinaldi, and Michael A. Pfaller

565 Infectiousness of a University Student with Laryngeal and Cavitary Tuberculosis
Christopher R. Braden and an Investigative Team

571 Human Herpesvirus 6 Is Associated with Focal Encephalitis
Jonathan A. McCullers, Fred D. Lakeman, and Richard J. Whitley

577 Clinical Features and Outcome of Severe Malaria in Gambian Children
D. Waller, S. Krishna, J. Crawley, K. Miller, F. Nosten, D. Chapman, F. O. ter Kuile, C. Craddock, C. Berry, P. A. H. Holloway, D. Brewster, B. M. Greenwood, and N. J. White

588 Control of Nosocomial Infections in an Intensive Care Unit in Guatemala City
Debra E. Berg, Ronald C. Hershow, Claudio A. Ramirez, and Robert A. Weinstein

594 Adverse Events Associated with High-Dose Rifabutin in Macrolide-Containing Regimens for the Treatment of *Mycobacterium avium* Complex Lung Disease
David E. Griffith, Barbara A. Brown, William M. Girard, and Richard J. Wallace, Jr.

599 Efficacy of Permethrin-Impregnated Uniforms in the Prevention of Malaria and Leishmaniasis in Colombian Soldiers
J. Soto, F. Medina, N. Dember, and J. Berman

603 Clinical Presentation of Minimally Invasive and In Situ Squamous Cell Carcinoma of the Anus in Homosexual Men
Robert L. Forti, Steven J. Medwell, David M. Aboulafia, Christina M. Surawicz, and David H. Spach

608 Humoral Immune Responses in Acute Schistosomiasis Mansoni: Relation to Morbidity
Ana L. T. Rabello, Maria Monica A. Garcia, Rogério A. Pinto da Silva, Roberto S. Rocha, Adelu Chaves, and Naftale Katz

616 Quantity and Avidity of Pneumococcal Antibodies Before and Up to Five Years After Pneumococcal Vaccination of Elderly Persons
Helle Bossen Konradsen

621 Acute Viral Hepatitis in Saudi Arabia: Seroepidemiological Analysis, Risk Factors, Clinical Manifestations, and Evidence for a Sixth Hepatitis Agent
Tawfik M. Ghabrah, G. Thomas Strickland, Sergei Tsarev, Patrice Yarbough, Patrizia Farci, Ronald Engle, Suzanne Emerson, and Robert Purcell

628 Pulmonary Cryptococcosis: Localized and Disseminated Infections in 27 Patients with AIDS
Marie-Caroline Meyohas, Patricia Roux, Diane Bollens, Christos Chouaid, Willy Rozenbaum, Jean-Luc Meynard, Jean-Louis Poirot, Jacques Frottier, and Charles Mayaud

634 Emergence of Multidrug Resistance in *Campylobacter jejuni* Isolates from Three Patients Infected with Human Immunodeficiency Virus
Wee Tee, Anne Mijch, Edwina Wright, and Allen Yung

639 Frequency of Unrecognized *Bordetella pertussis* Infections in Adults
Jaime G. Deville, James D. Cherry, Peter D. Christenson, Evelyn Pineda, Charles T. Leach, Thomas L. Kuhls, and Susan Viker

643 Clinical Features That Differentiate Hantavirus Pulmonary Syndrome from Three Other Acute Respiratory Illnesses
Ronald L. Moolenaar, Craig Dalton, Harvey B. Lipman, Edith T. Umland, Margaret Gallaher, Jeffrey S. Duchin, Louisa Chapman, Sherif R. Zaki, Thomas G. Ksiazek, Pierre E. Rollin, Stuart Nichol, James E. Cheek, Jay C. Butler, C. J. Peters, and Robert F. Breiman

Notes

650 An Outbreak of Plague in Northwestern Province, Zambia
Karen L. McClean

653 Tuberculosis Caused by *Mycobacterium africanum* Associated with Involvement of the Upper and Lower Respiratory Tract, Skin, and Mucosa
Laurence Baril, Eric Caumes, Chantal Truffot-Pernot, François Bricaire, Jacques Grosset, and Marc Gentilini

656 Adverse Cutaneous Reactions to Pyrimethamine/Sulfadiazine and Pyrimethamine/Clindamycin in Patients with AIDS and Toxoplasmic Encephalitis
Eric Caumes, Hélène Bocquet, Géraldine Guermonprez, Olivier Rogeaux, François Bricaire, Christine Katlama, and Marc Gentilini

659 **Answer to the Arcanum**

660 Value of Skin Testing for Predicting Reactions to Equine Rabies Immune Globulin
Terapong Tantawichien, Maneerat Benjavongkulchai, Henry Wilde, Wipaporn Jaijaroensup, Apinya Siakasem, Samran Chareonwai, Chawtip Yountong, and Visith Sitprija

663 Atypical Leishmaniasis in a Patient Infected with Human Immunodeficiency Virus
V. Mondain-Miton, M. Toussaint-Gari, P. Hofman, P. Marty, M. Carles, F. De Salvador, F. Miton, Y. Le Fichoux, and P. Dellamonica

666 Rethinking $CD4^+$ T Cell Counts in Individuals Who Recently Seroconverted to Human Immunodeficiency Virus
Peter J. Weiss and Mark R. Wallace

669 Aseptic Meningitis Caused by Sandfly Fever Virus, Serotype Toscana
Tino F. Schwarz, Sabine Gilch, and Gundula Jäger

672 Deep Tissue Infections Caused by *Scopulariopsis brevicaulis:* Report of a Case of Prosthetic Valve Endocarditis and Review
Raymond Q. Migrino, Geraldine S. Hall, and David L. Longworth

675 Strongyloidiasis in Patients with Hematologic Malignancies
Marcio Nucci, Rodrigo Portugal, Wolmar Pulcheri, Nelson Spector, Selma Baia Ferreira, Marcia Braga de Castro, Rosangela Noe, and Halley Pacheco de Oliveira

678 Veillonella Myositis in an Immunocompromised Patient
Maria G. Beumont, Jane Duncan, Susan D. Mitchell, John L. Esterhai, Jr., and Paul H. Edelstein

680 Prolonged Isolated Fever Due to Attenuated Extracerebral Toxoplasmosis in Patients Infected with Human Immunodeficiency Virus Who Are Receiving Trimethoprim-Sulfamethoxazole as Prophylaxis
Hervé Zylberberg, Florence Robert, Frédérique-Anne Le Gal, Jean Dupouy-Camet, Louis Zylberberg, and Jean-Paul Viard

682 Fatal Genitourinary Mucormycosis in a Patient with Undiagnosed Diabetes
J. Chandler Williams, Alan R. Schned, John R. Richardson, John A. Heaney, Michael R. Curtis, Irene P. Rupp, and C. Fordham von Reyn

685 Epidemiology of the Colonization of Inpatients and Outpatients with Ciprofloxacin-Resistant Coagulase-Negative Staphylococci
P. Kotilainen, S. Huovinen, H. Järvinen, H. Aro, and P. Huovinen

Book Review

688 Infectious Diseases of the Fetus and Newborn Infant
Edited by Jack S. Remington and Jerome O. Klein
Reviewed by Joel J. Alpert

Correspondence

689 Cholera in a Patient Infected with Human Immunodeficiency Virus
Michelle A. Dahdouh, Anjum Ismail, and Judith J. Berger

690 Pneumonia and Respiratory Distress Syndrome During Primary Infection with *Toxoplasma gondii*
Catherine Renold, Joëlle Wintsch, Ingeborg Filthuth, Werner Wunderli, Daniel Lew, and Bernard Hirschel

692 *Plesiomonas shigelloides* Septicemia in a Patient with Primary Hemochromatosis
Marie Luce Delforge, Jacques Devriendt, Youri Glupczynski, Willy Hansen, and Nicole Douat

693 Polymicrobial Feculent Meningitis
Chinhak Chun, Barry Sacks, and John Jao

694 *Propionibacterium acnes* Vertebral Osteomyelitis Following Lumbar Puncture: Case Report and Review
Igor Z. Abolnik, James V. Eaton, and Daniel J. Sexton

696 Cellulitis and Spondylitis Due to *Streptococcus pneumoniae*
Emilia Cortés, Carlos Pigrau, Jose Barberá, and Benito Almirante

697 Pneumococcal Soft-Tissue Infections
M. Cuenca-Estrella, J. M. Ramos, J. Esteban, and F. Soriano

698 Postpartum Retroperitoneal Abscess Due to *Mycoplasma hominis*
J. Barberá, I. Gasser, B. Almirante, and C. Pigrau

699 Elevated Cytokine Levels in a Patient with AIDS and Hypercalcemia: Effects of Therapy with Pamidronate
Laura D. Carbone, Mack A. Land, Frankie B. Stentz, and Genaro M. A. Palmieri

700 Chronic Diarrhea and Bacteremia Caused by *Campylobacter lari* in a Neonate
Cheng-Hsun Chiu, Chii-Yuh Kuo, and Jonathan T. Ou

701 Visceral Leishmaniasis Due to a *Leishmania* Variant That Shares Kinetoplast DNA Sequences with *Leishmania braziliensis* and *Leishmania mexicana* in a Patient Infected with Human Immunodeficiency Virus: Identification of the *Leishmania* Species with Use of the Polymerase Chain Reaction
Dimas E. Hernández, Noris Rodriguez, Mireya Wessolossky, and Jacinto Convit

702 Reversible CD4+ T Lymphocyte Depletion in a Patient Who Had Disseminated Histoplasmosis and Who Was Not Infected with Human Immunodeficiency Virus
David C. Rhew, Matthew Bidwell Goetz, and Milton H. Louie

704 Update on the Status of Lyme Borreliosis in British Columbia, Canada
S. Banerjee

704 Bacteremic Group A Streptococcal Pharyngitis Presenting as Acute Airway Obstruction
Jeremy D. Gradon and Carrie Adamson

705 A Predisposition Toward *Edwardsiella tarda* Bacteremia in Individuals with Preexisting Liver Disease
Ming-Shiang Wu, Ren-Shi Shyu, Ming-Yang Lai, Guan-Tarn Huang, Ding-Shinn Chen, and Teh-Hong Wang

706 Meningitis Caused by Mixed Anaerobic Species Complicating Tethered Cord Syndrome
Alexander D. Borowsky, Sharon M. Stein, Noel B. Tulipan, and Terence S. Dermody

708 Use of Cefotaxime and Metronidazole for Treating Cerebral Abscesses
J. Gómez, M. Poza, M. Martinez, J. Martinez-Lage, J. L. Hernández, and M. Valdés

708 Viral Antibodies in Chronic Fatigue Syndrome
C. M. A. Swanink, J. H. M. M. Vercoulen, E. Bazelmans, J. F. M. Fennis, G. Bleijenberg, J. W. M. van der Meer, and J. M. D. Galama

709 Reply
Farrin A. Manian

710 Pancreatic Necrosis Following Treatment of Leishmaniasis with Sodium Stibogluconate
Michael O. McBride, M. Linney, R. N. Davidson, and J. N. Weber

711 Efficacy of Intermittent Liposomal Amphotericin B in the Treatment of Visceral Leishmaniasis in Patients Infected with Human Immunodeficiency Virus
Fernando Laguna, Julián Torre-Cisneros, Victoria Moreno, José Luis Villanueva, and Eulalia Valencia

712 Legionnaires' Disease in Patients Infected with Human Immunodeficiency Virus
Félix Gutiérrez Rodero, Victoria Ortiz de la Tabla, Carmen Martínez, María del Mar Masiá, Eusebio Chiner, and José Luis Calpe

713 *Escherichia coli* Meningitis and Septicemia Associated with an Epidural Catheter
Chatrchai Watanakunakorn

714 Brucellar Bacteremia in Pregnancy
Steven L. Oscherwitz

715 Intrathecal Synthesis of Antibodies to Human Herpesvirus 6 Early Antigen in Patients with Meningitis/Encephalitis
Madhumita Patnaik and James B. Peter

717 **Notices**

719 **Table of Contents: Abstracts of the 1995 Annual IDSA Meeting**

720 **Abstracts of the 1995 Annual IDSA Meeting**

808 **Author Index: Abstracts of the 1995 Annual IDSA Meeting**

820 **Subject Index: Abstracts of the 1995 Annual IDSA Meeting**

837 **Statement of Editorial Policy**

Volume 21 • Number 4 *October 1995*

i **Checklist for Submitted Manuscripts**

ii **List of Abbreviations**

State-of-the-Art Clinical Article

839 Cystic Fibrosis: Pathogenesis, Pulmonary Infection, and Treatment
Richard B. Moss

Clinical Articles

852 Cholecystectomy in Patients with AIDS: Clinicopathologic Correlations in 107 Cases
Audrey L. French, Lisa M. Beaudet, Debra A. Benator, Charles S. Levy, Mary Kass, and Jan M. Orenstein

859 **Photo Quiz**

860 Pertussis in German Adults
Sabina Schmitt-Grohé, James D. Cherry, Ulrich Heininger, Michael A. Überall, Evelyn Pineda, and Klemens Stehr

867 Trends in Human Immunodeficiency Virus (HIV) Infection Among a Patient Population of an Inner-City Emergency Department: Implications for Emergency Department–Based Screening Programs for HIV Infection
Gabor D. Kelen, David A. Hexter, Karen N. Hansen, Nelson Tang, Scott Pretorius, and Thomas C. Quinn

876 Intrapartum Prophylaxis with Ceftriaxone Decreases Rates of Bacterial Colonization and Early-Onset Infection in Newborns
Xavier Sáez-Llorens, María Sabina Ah-Chu, Elizabeth Castaño, Lourdes Cortés, Antonio Torres, Marixcel Suárez, Alberto Bissot, Winston Reyes, Warren B. Karp, and George H. McCracken, Jr.

881 *Candida*-Associated Diarrhea: A Syndrome in Search of Credibility
Jimmy Levine, Richard K. Dykoski, and Edward N. Janoff

887 Diagnostic Utility of Thoracentesis for Neutropenic Children with Cancer
Bonnie C. Desselle, Paula M. Bozeman, and Christian C. Patrick

891 Use of the Polymerase Chain Reaction and DNA Sequencing for Detection of *Bartonella quintana* in the Aortic Valve of a Patient with Culture-Negative Infective Endocarditis
Jari Jalava, Pirkko Kotilainen, Simo Nikkari, Mikael Skurnik, Esko Vänttinen, Olli-Pekka Lehtonen, Erkki Eerola, and Paavo Toivanen

897 Opportunistic Candidiasis: An Epidemic of the 1980s
S. P. Fisher-Hoch and L. Hutwagner

905 Evaluation of the Duke Criteria Versus the Beth Israel Criteria for the Diagnosis of Infective Endocarditis
Bruno Hoen, Christine Selton-Suty, Nicolas Danchin, Michèle Weber, Jean-Pierre Villemot, Pierre Mathieu, Jean Floquet, and Philippe Canton

910 Human Granulocytic Ehrlichiosis in Connecticut: Report of a Fatal Case
Catherine J. Hardalo, Vincent Quagliarello, and J. Stephen Dumler

915 Molecular Epidemiology of an SHV-5 Extended-Spectrum β-Lactamase in Enterobacteriaceae Isolated from Infants in a Neonatal Intensive Care Unit
Richard A. Venezia, Frank J. Scarano, Karen E. Preston, Lynn M. Steele, Timothy P. Root, Ronald Limberger, Wendy Archinal, and Marilyn A. Kacica

924 Concentrations of Interferon γ, Tumor Necrosis Factor α, and Interleukin-1β in the Cerebrospinal Fluid of Children Treated for Tuberculous Meningitis
P. R. Donald, J. F. Schoeman, N. Beyers, E. D. Nel, S. M. Carlini, K. D. Olsen, and G. H. McCracken

930 Factors Associated with Changes in the Use of Antiretroviral Therapy by a Cohort of Homosexual Men Infected with Human Immunodeficiency Virus Type 1
Lawrence P. Park, Neil M. H. Graham, Lisa P. Jacobson, Robert Murphy, David Besley, Sharon Zucconi, and Alvaro Muñoz

938 Hydatid Cysts of the Brain
Ferruh Gezen, Alper Baysefer, Turgut Köksel, Engin Gönül, K. Melih Akay, and Ersin Erdoğan

943 Bacteremia/Septicemia Due to *Aerococcus*-Like Organisms: Report of Seventeen Cases
Jens Jørgen Christensen, Inge Panum Jensen, Jan Faerk, Brian Kristensen, Robert Skov, Bent Korner, and the Danish ALO Study Group

948 Incidence, Capsular Types, and Antibiotic Susceptibility of Invasive *Streptococcus pneumoniae* in Sweden
Jonas Hedlund, Stefan B. Svenson, Mats Kalin, Jørgen Henrichsen, Barbro Olsson-Liljequist, Gunnel Möllerberg, and Gunilla Källenius

954 *Bartonella (Rochalimaea)* Antibodies, Dementia, and Cat Ownership Among Men Infected with Human Immunodeficiency Virus
William A. Schwartzman, Madhumita Patnaik, Frederick J. Angulo, Barbara R. Visscher, Eric N. Miller, and James B. Peter

960 Oral Fluconazole Versus Amphotericin B Bladder Irrigation for Treatment of Candidal Funguria
Patty Fan-Havard, Carmel O'Donovan, Sharon M. Smith, Julee Oh, Mitch Bamberger, and Robert H. K. Eng

966 Infant Mortality and Maternal Vitamin A Deficiency During Human Immunodeficiency Virus Infection
Richard D. Semba, Paolo G. Miotti, John D. Chiphangwi, George Liomba, Li-Ping Yang, Alfred J. Saah, Gina A. Dallabetta, and Donald R. Hoover

973 Massive Hepatic Steatosis and Lactic Acidosis in a Patient with AIDS Who Was Receiving Zidovudine
Juan P. Olano, Michael J. Borucki, Julie W. Wen, and Abida K. Haque

Hypothesis

977 Could Nonsteroidal Antiinflammatory Agents (NSAIDs) Enhance the Progression of Bacterial Infections to Toxic Shock Syndrome?
Dennis L. Stevens

Review Article

981 Old and New Therapies for Sporotrichosis
Carol A. Kauffman

Notes

986 Chronic Varicella-Zoster Virus Myelitis Without Cutaneous Eruption in a Patient with AIDS: Report of a Fatal Case
Farrin A. Manian, Meya Kindred, and Keith H. Fulling

989 Editorial Response: Herpes Zoster in Patients with Human Immunodeficiency Virus Infection—An Ever-Expanding Spectrum of Disease
Richard J. Whitley and John W. Gnann, Jr.

991 **Answer to Photo Quiz**

992 Development of Human T-Cell Lymphotropic Virus Type I–Associated Adult T-Cell Leukemia/Lymphoma During Immunosuppressive Treatment Following Renal Transplantation
Peter J. Jenks, Winsome Y. Barrett, Martin J. Raftery, Stephen M. Kelsey, Jon D. van der Walt, Sui P. Kon, and Judith Breuer

994 Intravascular Catheter Exchange and Duration of Candidemia
John H. Rex, John E. Bennett, Alan M. Sugar, Peter G. Pappas, Jonathan Serody, John E. Edwards, and Ronald G. Washburn for the NIAID Mycoses Study Group and the Candidemia Study Group

997 Relapse of Catheter-Related *Flavobacterium meningosepticum* Bacteremia Demonstrated by DNA Macrorestriction Analysis
Helio S. Sader, Ronald N. Jones, and Michael A. Pfaller

1001 *Mycobacterium kansasii* Bacteremia in Patients Infected with Human Immunodeficiency Virus
David M. Parenti, John S. Symington, John Keiser, and Gary L. Simon

1004 *Bartonella henselae* Endocarditis in an Immunocompetent Adult
Alison H. Holmes, Thomas C. Greenough, Gary J. Balady, Russell L. Regnery, Burt E. Anderson, J. Conor O'Keane, James D. Fonger, and Elcinda L. McCrone

1008 Effect of Rifabutin on the Pharmacokinetics of Zidovudine in Patients Infected with Human Immunodeficiency Virus
Keith Gallicano, Jan Sahai, Lori Swick, Isabelle Seguin, Attila Pakuts, and D. William Cameron

1012 Evaluation of the Response of Human Humoral Antibodies to *Salmonella typhi* Lipopolysaccharide in an Area of Endemic Typhoid Fever
H. I. Shaheen, N. I. Girgis, G. R. Rodier, and K. A. Kamal

1014 Infections in Patients with Chronic Adult T-Cell Leukemia/Lymphoma: Case Report and Review
David C. Rhew, Cyril R. Gaultier, Eric S. Daar, Phillip C. Zakowski, and Jonathan Said

1017 Direct Sequence Analysis of Human Herpesvirus 6 (HHV-6) Sequences from Infants and Comparison of HHV-6 Sequences from Mother/Infant Pairs
Nanette M. van Loon, Suryaram Gummuluru, Daniel J. Sherwood, Ruby Marentes, Caroline B. Hall, and Stephen Dewhurst

1020 Rheumatic Pneumonia: Reappearance of a Previously Recognized Complication of Acute Rheumatic Fever
Susan J. Burgert, David C. Classen, John P. Burke, and L. George Veasy

1023 Meningococcal Endocarditis Presenting as Cellulitis
Vivian H. Lin, Rulan S. Parekh, Mark A. McQuillan, Daniel K. Braun, and David M. Markovitz

1026 Prospective Comparison of Methods for the Early Prediction of Treatment Failure in Patients with Falciparum Malaria
George Watt, Lersan Loesuttiviboon, and Gary W. Long

1029 Hemophagocytosis: A Complication of Acute Q Fever in a Child
Markus Hufnagel, Charlotte Niemeyer, Lothar Bernd Zimmerhackl, Tobias Tüchelmann, Siegfried Sauter, and Matthias Brandis

1032 *Stenotrophomonas maltophilia:* An Unusual Cause of Biliary Sepsis
Konstantinos A. Papadakis, Shahe E. Vartivarian, Maria E. Vassilaki, and Elias J. Anaissie

1035 Herpes Zoster as the Initial Presentation of Human Immunodeficiency Virus Type 1 Infection in Kenya
Mark W. Tyndall, James Nasio, Elizabeth Agoki, William Malisa, Allan R. Ronald, Jackoniah O. Ndinya-Achola, and Francis A. Plummer

Brief Reports

1038 Stevens-Johnson Syndrome Induced by Treatment with Acyclovir
Barkat A. Fazal, Glenn S. Turett, Jessica E. Justman, Gayann Hall, and Edward E. Telzak

1039 *Moraxella nonliquefaciens* Septic Arthritis in a Patient Undergoing Hemodialysis
David W. Johnson, Gary Lum, Graeme Nimmo, and Carmel M. Hawley

1040 Parainfluenza Virus Respiratory Infection After Heart Transplantation: Successful Treatment with Ribavirin
L. Cobian, S. Houston, J. Greene, and J. T. Sinnott

1041 *Nocardia asteroides* as a Cause of Sphenoidal Sinusitis: Case Report
Sally A. Roberts, James Bartley, Geoffrey Braatvedt, and R. B. Ellis-Pegler

1042 Group B Streptococcal Meningitis in a Pregnant Woman Before the Onset of Labor
Todd L. Braun, Wayne Pinover, and Philip Sih

1043 Central Venous Catheter Infection Due to *Ustilago* Species
Robin Patel, Glenn D. Roberts, Darlene G. Kelly, and Randall C. Walker

1044 Acute Gastroenteritis Caused by *Vibrio alginolyticus* in an Immunocompetent Patient
Jordi Reina, Victoria Fernandez-Baca, and Amparo Lopez

1045 Efficacy of Azithromycin for Typhoid Fever
D. Tribble, N. Girgis, N. Habib, and T. Butler

1047 *Strongyloides stercoralis* Infection in a Chronically Institutionalized Patient with Schizophrenia and Dementia
Mitchell I. Burken, Smita D. Kittur, and William C. Peterson

1047 Life-Threatening Neutropenia Secondary to Piperacillin/Tazobactam Therapy
Lawrence Gerber and Edward J. Wing

1048 Serum Ferritin Levels Correlate with Disease Activity in Patients with AIDS and Disseminated Histoplasmosis
David H. Kirn, David Fredericks, J. Allen McCutchan, Daniel Stites, and Marc Shuman

1049 Psoas Pyomyositis as a Late Complication of Typhoid Fever
Olivier Lortholary, Bernard Jarrousse, Patrick Attali, Jean Marc Hoang, Michel Brauner, and Loïc Guillevin

1051 Clarithromycin-Induced Digoxin Toxicity in a Patient with AIDS
Albert Ford, Lou Crocker Smith, Aldona L. Baltch, and Raymond P. Smith

1052 *Morganella morganii* Pericarditis After Resolvent Splenectomy for Immune Pancytopenia Following Allogeneic Bone Marrow Transplantation for Acute Lymphoblastic Leukemia
Simona Sica, Antonella Di Mario, Prassede Salutari, Giuseppe d'Onofrio, Andrea Antinori, Patrizia Chiusolo, and Giuseppe Leone

1053 Aseptic Meningitis Caused by Parvovirus B19
Prasad Rao Koduri and Stanley J. Naides

1054 False-Positive *Histoplasma* Antigen Test in a Patient with Pulmonary Blastomycosis
Juli A. Garner and Douglas Kernodle

1055 Recurrent *Helicobacter cinaedi* Bacteremia in a Patient Infected with Human Immunodeficiency Virus: Case Report
Mammen P. Mammen, Jr., Naomi E. Aronson, William J. Edenfield, and Timothy P. Endy

1056 Rhabdomyolysis Associated with *Ehrlichia chaffeensis* Infection
Kevin W. Shea, Anthony J. Calio, Natalie C. Klein, and Burke A. Cunha

1057 A Case of Typhoid Fever Complicated by Unexpected Diffuse Cerebral Edema
J. van de Wetering, L. G. Visser, M. A. van Buchem, and J. G. van der Hoeven

1058 Successful Management of a Serious Group A Streptococcal Infection During the Third Trimester of Pregnancy
Scott L. Nyberg, Patrick M. Schlievert, William Saul, James R. Johnson, Patricia Ferrieri, and Vish S. Watkins

Correspondence

1060 Severe Measles Pneumonitis in Adults
Jacques Gubler, Regina Lüthy, and Oswald Oelz

1061 Bronchoesophageal Fistula Due to Multidrug-Resistant Tuberculosis in a Patient Infected with Human Immunodeficiency Virus
Deborah Asnis, Herbert P. Saltzman, and Jose A. Giron

1062 Delayed Development of Tuberculous Bronchoesophageal Fistulas in a Patient with AIDS Necessitates Endoscopic Surgery
Fernando Dronda, Ignacio Fernández-Martín, Amparo González-López, and Luis Puente

1063 Cervical Suppurative Lymphadenitis Due to *Yersinia pseudotuberculosis*
Jacques Pouchot, Véronique Bortolotti, Olivier Sterkers, Yves Boussougant, and Philippe Vinceneux

1064 Cat-Scratch Disease, *Bartonella henselae*, and the Usefulness of Routine Serological Testing for *Afipia felis*
Madhumita Patnaik and James B. Peter

1065 Splenic Abscess Due to *Salmonella heidelberg*
Peter Wilmshurst and Helen Sutcliffe

1066 Drug Susceptibility of *Mycobacterium tuberculosis* Isolates from a Cohort of Haitian Migrants Evaluated in 1994
Janice Rusnak, Jeffrey S. Sartin, Elizabeth Pace, Jerome O'Neill, Steven D. Haag, Joseph Roberts, and Josephine L. Malone

1067 Fatal *Scedosporium prolificans (S. inflatum)* Fungemia Following Allogeneic Bone Marrow Transplantation: Report of a Case in the United States
Ricardo T. Spielberger, Bernard R. Tegtmeier, Margaret R. O'Donnell, and James I. Ito

1068 Use of Itraconazole for Treating Subcutaneous Phaeohyphomycosis Caused by *Exophiala jeanselmei*
Donna Iles Whittle and Spyros Kominos

1069 Treatment of Otitis Media
Jos W. M. van der Meer and Eloy H. van de Lisdonk

1070 **Notices**

1073 **Statement of Editorial Policy**

Instructions to Authors

Volume 21 • Supplement 2 *October 1995*

ABRAHAM I. BRAUDE MEMORIAL SYMPOSIUM ON INFECTIOUS DISEASES

S143 A Short Biography of Abraham I. Braude
Joshua Fierer

S146 Biology and Clinical Significance of Virulence Plasmids in *Salmonella* Serovars
Donald G. Guiney, Ferric C. Fang, Martin Krause, Stephen Libby, Nancy A. Buchmeier, and Joshua Fierer

S152 Nitric Oxide and Infection: Another View
G. Schoedon, M. Schneemann, R. Walter, N. Blau, S. Hofer, and A. Schaffner

S158 Use of an Animal Model of Trichomoniasis as a Basis for Understanding This Disease in Women
Lynette B. Corbeil

S162 NO Inhibitions: Antimicrobial Properties of Nitric Oxide
Mary Ann De Groote and Ferric C. Fang

S166 Clinical Significance of Drug Resistance in Human Immunodeficiency Virus
Douglas D. Richman

S170 Molecular Detection of Human Cytomegalovirus and Determination of Genotypic Ganciclovir Resistance in Clinical Specimens
Stephen A. Spector, Karen Hsia, Dana Wolf, Mika Shinkai, and Irene Smith

S174 Reducing the Risk of *Chlamydia trachomatis* Genital Tract Infection by Evaluating the Prophylactic Potential of Vaginally Applied Chemicals
Joseph M. Lyons and James I. Ito, Jr.

S178 Relationship between Virulence and Immunity as Revealed in Recent Studies of the F1 Capsule of *Yersinia pestis*
Arthur M. Friedlander, Susan L. Welkos, Patricia L. Worsham, Gerard P. Andrews, David G. Heath, George W. Anderson, Jr., Margaret L. M. Pitt, James Estep, and Kelly Davis

S182 New Concepts Regarding the Pathogenesis of Amebiasis
Sharon L. Reed

S186 Anti-Endotoxin Human Monoclonal Antibody A6H4C5 (HA-1A) Utilizes the VH4.21 Gene
Marcia M. Bieber, Neelima M. Bhat, and Nelson N. H. Teng

S190 Knowledge of Cellular Receptors for Bacterial Endotoxin—1995
Suganya Viriyakosol and Theo Kirkland

S196 Clinical Impact of Cytomegalovirus Infections of the Nervous System in Patients with AIDS
J. Allen McCutchan

Volume 21 • Number 5 *November 1995*

1075 **Checklist for Submitted Manuscripts**

1076 **List of Abbreviations**

State-of-the-Art Clinical Article

1077 Infections in Liver Transplant Recipients
Drew J. Winston, Christos Emmanouilides, and Ronald W. Busuttil

Clinical Articles

1092 *Cyclospora cayetanensis* Infection in Patients with and Without AIDS: Biliary Disease as Another Clinical Manifestation
José Sifuentes-Osornio, Guillermo Porras-Cortés, Richard P. Bendall, Fernando Morales-Villarreal, Gustavo Reyes-Terán, and Guillermo M. Ruiz-Palacios

1098 Tuberculosis Among Urban Health Care Workers: A Study Using Restriction Fragment Length Polymorphism Typing
Kent A. Sepkowitz, Cindy R. Friedman, Alice Hafner, David Kwok, Seth Manoach, Michelle Floris, Diana Martinez, Kumar Sathianathan, Esther Brown, Judith J. Berger, Sorana Segal-Maurer, Barry Kreiswirth, Lee W. Riley, and Mark Y. Stoeckle

1103 The Significance of Changing Needles When Inoculating Blood Cultures: A Meta-Analysis
Stuart J. Spitalnic, Robert H. Woolard, and Leonard A. Mermel

1107 The Relationship Between Antecedent Antibiotic Use and Resistance to Extended-Spectrum Cephalosporins in Group I β-Lactamase-Producing Organisms
Kalen L. Jacobson, Stuart H. Cohen, John F. Inciardi, Jeff H. King, William E. Lippert, Teresa Iglesias, and Carolyn J. VanCouwenberghe

1114 Septic Thrombophlebitis of the Portal Vein (Pylephlebitis): Diagnosis and Management in the Modern Era
R. M. Plemmons, D. P. Dooley, and R. N. Longfield

1121 Potential Clinical Implications of Interlaboratory Variability in $CD4^+$ T-Lymphocyte Counts of Patients Infected with Human Immunodeficiency Virus
Paul E. Sax, Stephen L. Boswell, Margaret White-Guthro, and Martin S. Hirsch

1125 **Arcanum**

1126 Prevalence of Antibodies to *Coxiella burnetii, Rickettsia conorii,* and *Rickettsia typhi* in Seven African Countries
Hervé Tissot Dupont, Philippe Brouqui, Bernard Faugere, and Didier Raoult

1134 Spectrum of 2,836 Cases of Invasive Bacterial or Fungal Infections in Children: Results of Prospective Nationwide Five-Year Surveillance in Finland
Merja Saarinen, Aino K. Takala, Eeva Koskenniemi, Eija Kela, Pirjo-Riitta Rönnberg, Eeva Pekkanen, Pirjo Kiiski, Juhani Eskola, and the Finnish Pediatric Invasive Infection Study Group

1145 The Safety and Efficacy of Amphotericin B Colloidal Dispersion in the Treatment of Invasive Mycoses
Beryl A. Oppenheim, Raoul Herbrecht, and Shimon Kusne

1154 Limited Toxicity of Prolonged Therapy with High Doses of Amphotericin B Lipid Complex
Susan Kline, Tom A. Larsen, Leonard Fieber, Ronald Fishbach, Martha Greenwood, Richard Harris, Mark W. Kline, Patrick O. Tennican, and Edward N. Janoff

1159 Invasive Colitis and Hepatitis Due to Previously Uncharacterized Spirochetes in Patients with Advanced Human Immunodeficiency Virus Infection
Jay R. Kostman, Minal Patel, Edison Catalano, Jeanette Camacho, John Hoffpauir, and Mark J. DiNubile

1166 Cryptococcal Infection of the Breast
Mitchell Goldman and John C. Pottage, Jr.

1170 High Rate of Transmission of Tuberculosis in an Office: Impact of Delayed Diagnosis
C. Raina MacIntyre, Aileen J. Plant, Jane Hulls, Jonathon A. Streeton, Neil M. H. Graham, and Graham J. Rouch

1175 Sinusitis in Children Infected with Human Immunodeficiency Virus: Clinical Characteristics, Risk Factors, and Prophylaxis
Lynne M. Mofenson, James Korelitz, Stephen Pelton, Jack Moye, Jr., Robert Nugent, and James Bethel for the National Institute of Child Health and Human Development Intravenous Immunoglobulin Clinical Trial Study Group

1182 *Mycoplasma pneumoniae* as a Cofactor in Severe Respiratory Infections
Nevio Cimolai, David Wensley, Michael Seear, and Eva T. Thomas

1186 *Mycobacterium ulcerans* Infection in Australian Children: Report of Eight Cases and Review
Jim J. Goutzamanis and Gwendolyn L. Gilbert

1193 Development of β-Lactamase-Mediated Resistance to Penicillin in Middle-Ear Isolates of *Moraxella catarrhalis* in Finnish Children, 1978–1993
Antti Nissinen, Paul Grönroos, Pentti Huovinen, Elja Herva, Marja-Leena Katila, Timo Klaukka, Sirkka Kontiainen, Oili Liimatainen, Sinikka Oinonen, and P. Helena Mäkelä

1197 Antibody Response to Diphtheria, Tetanus, and Poliomyelitis Vaccines in Relation to the Number of $CD4^+$ T Lymphocytes in Adults Infected with Human Immunodeficiency Virus
Frank P. Kroon, Jaap T. van Dissel, Jerry Labadie, Anton M. van Loon, and Ralph van Furth

1204 Reducing Heterogeneity in Chronic Fatigue Syndrome: A Comparison with Depression and Multiple Sclerosis
B. H. Natelson, S. K. Johnson, J. DeLuca, S. Sisto, S. P. Ellis, N. Hill, and M. T. Bergen

1211 Household Contact Study of *Bordetella pertussis* Infections
Jacqueline L. Deen, ChrisAnna M. Mink, James D. Cherry, Peter D. Christenson, Evelyn F. Pineda, Karen Lewis, Dean A. Blumberg, and Lawrence A. Ross

1220 Increasing Severity of Invasive Group A Streptococcal Disease in Australia: Clinical and Molecular Epidemiological Features and Identification of a New Virulent M-Nontypeable Clone
Jonathan Carapetis, Roy Robins-Browne, Diana Martin, Tania Shelby-James, and Geoffrey Hogg

1228 An Outbreak of Acute Fascioliasis Among Aymara Indians in the Bolivian Altiplano
Jostein Bjorland, Ralph T. Bryan, Wilma Strauss, George V. Hillyer, and James B. McAuley

1234 Clinical and Molecular Epidemiology of Vancomycin-Resistant *Enterococcus faecium* During Its Emergence in a City in Southern Texas
Francisco Moreno, Patti Grota, Cindy Crisp, Karen Magnon, Gregory P. Melcher, James H. Jorgensen, and Jan Evans Patterson

1238 Improved Outcomes for Patients with Multidrug-Resistant Tuberculosis
Glenn S. Turett, Edward E. Telzak, Lucia V. Torian, Steve Blum, David Alland, Isaac Weisfuse, and Barkat A. Fazal

1245 Predictors and Outcome of Multidrug-Resistant Tuberculosis
Nadim Salomon, David C. Perlman, Patricia Friedmann, Sara Buchstein, Barry N. Kreiswirth, and Donna Mildvan

1253 Tuberculosis in Drug Users
David C. Perlman, Nadim Salomon, Mary Patricia Perkins, Stanley Yancovitz, Denise Paone, and Don C. Des Jarlais

1265 Editorial: The Good News and the Bad News About Multidrug-Resistant Tuberculosis
Kenneth G. Castro and Dixie E. Snider, Jr.

Review Articles

1267 Prospects for a Vaccine to Prevent Lyme Disease in Humans
Gary P. Wormser

1275 Paracoccidioidomycosis and AIDS: An Overview
Luciano Z. Goldani and Alan M. Sugar

International Report

1282 Chronic Diarrhea Among Adults in Kigali, Rwanda: Association with Bacterial Enteropathogens, Rectocolonic Inflammation, and Human Immunodeficiency Virus Infection
J. Clerinx, J. Bogaerts, H. Taelman, J. B. Habyarimana, A. Nyirabareja, P. Ngendahayo, and P. Van de Perre

1285 **Answer to the Arcanum**

Notes

1286 Intraluminal Antibiotic Treatment of Central Venous Catheter Infections in Patients Receiving Parenteral Nutrition at Home
Jean-Luc Benoit, Godofredo Carandang, Michael Sitrin, and Paul M. Arnow

1289 Listeriosis in Bone Marrow Transplant Recipients: Incidence, Clinical Features, and Treatment
J. Chang, R. Powles, J. Mehta, N. Paton, J. Treleaven, and B. Jameson

1291 Severe *Burkholderia (Pseudomonas) gladioli* Infection in Chronic Granulomatous Disease: Report of Two Successfully Treated Cases
Jeffrey P. Ross, Steven M. Holland, Vee J. Gill, Ellen S. DeCarlo, and John I. Gallin

1294 Evaluation of Short-Course Therapy with Cefixime or Rifampin for Eradication of Pharyngeally Carried Group A Streptococci
H. Dele Davies, Donald E. Low, Benjamin Schwartz, Shelley Scriver, Aileen Fletcher, Keith O'Rourke, Moshe Ipp, Morton Goldbach, David Lloyd, Norman R. Saunders, Saul Greenberg, Robert Farber, David W. Tannenbaum, James Talbot, The Ontario GAS Study Group, and Allison McGeer

1297 Simultaneous Occurrence of Acute Myocarditis and Reactivated Chagas' Disease in a Patient with AIDS
Ana Marli C. Sartori, Marta H. Lopes, Bruno Caramelli, Maria Irma S. Duarte, Pedro L. da S. Pinto, V. Amato Neto, and Maria A. Shikanai-Yasuda

1300 Discontinuation of Intravenous Antibiotic Therapy During Persistent Neutropenia in Patients Receiving Prophylaxis with Oral Ciprofloxacin
J. J. Cornelissen, M. Rozenberg-Arska, and A. W. Dekker

1303 Seroepidemiology of *Helicobacter pylori* Infection in Heart Transplant Recipients
J. Stephen Dummer, Guillermo I. Perez-Perez, Mary Kay Breinig, Ann Lee, Steven N. Wolff, Robert Kormos, Bartley P. Griffith, and Martin J. Blaser

1306 *Clostridium innocuum* Endocarditis
Anthony F. Cutrona, C. Watanakunakorn, Carl R. Schaub, and Anil Jagetia

1308 Methicillin-Resistant *Staphylococcus aureus* as a Community Organism
Francisco Moreno, Cindy Crisp, James H. Jorgensen, and Jan Evans Patterson

1313 A Case of Fulminant Human Immunodeficiency Virus Dementia
Ali Bassiri, Janet Holden, and Milton Wong

1315 Detection of Enterovirus-Specific RNA Sequences in Explanted Myocardium Biopsy Specimens from Patients with Dilated or Ischemic Cardiomyopathy
Laurent Andreoletti, Pierre Wattre, Christophe Decoene, Pierre-Emmanuel Lobert, Anny Dewilde, and Didier Hober

1318 Chronic Q Fever of Pregnancy Presenting as *Coxiella burnetii* Placentitis: Successful Outcome Following Therapy with Erythromycin and Rifampin
T. Bental, M. Fejgin, A. Keysary, S. Rzotkiewicz, C. Oron, R. Nachum, Y. Beyth, and R. Lang

1322 The Emergence of *Haemophilus influenzae* Types e and f as Significant Pathogens
Linda A. Waggoner-Fountain, J. Owen Hendley, Edmund J. Cody, Vito A. Perriello, and Leigh G. Donowitz

1325 Disseminated *Mycobacterium marinum* Infection and Bacteremia in a Child with Severe Combined Immunodeficiency
Leslie J. Parent, Marguerite M. Salam, Peter C. Appelbaum, and John H. Dossett

1328 Rocky Mountain "Spotless" Fever with an Erythema Migrans–Like Skin Lesion
Carolyn Hughes

1330 Primary Septicemia Caused by *Vibrio cholerae* Non-O1 Acquired on Cape Cod, Massachusetts
Dimitrios P. Kontoyiannis, Kerstin E. Calia, Nesli Basgoz, and Stephen B. Calderwood

1334 Sepsis Due to Coryneform Group A-4 in an Immunocompromised Host
Greg A. Bizette, Sandra A. Kemmerly, John T. Cole, Henry B. Bradford, Jr., and Barbara H. Peltier

Brief Reports

1337 Bacteremic Necrotizing Fasciitis Due to *Flavobacterium odoratum*
Po-Ren Hsueh, Jiunn-Jong Wu, Tzuen-Ren Hsiue, and Wei-Chuan Hsieh

1338 Use of an Itraconazole/Allopurinol Combination for the Treatment of Visceral Leishmaniasis in a Patient with AIDS
François Raffi, Dominique Merrien, Patrice Le Pape, and Véronique Reliquet

1340 Penicillin-Resistant *Streptococcus pneumoniae* as a Cause of Postoperative Endophthalmitis
E. Martin, M. Pestel, G. Brasseur, and J. F. Lemeland

1341 *Bacteroides fragilis* Arthritis Following Cesarean Section
Diane M. Failla and Joseph R. Dalovisio

1342 Parotitis Due to *Torulopsis glabrata*
Fernando Pujol, Manohar Angirekula, Matei Weiner, Karel Jindrak, and Bruce R. Pachter

1343 Failure of the Radiometric Bactec Method to Detect *Mycobacterium avium* Complex in the Blood of Patients Infected with Human Immunodeficiency Virus Who Were Treated with Antibiotics
Léa Lebrun, Joël Livartowski, Thierry May, Jean Dormont, and Patrice Nordmann

1344 Pyomyositis and Septic Arthritis Due to *Bacteroides fragilis* in an Immunocompetent Patient
Jaime Calvo-Alén, Valvanera Pinillos, Natividad del Val, and Vicente Rodríguez Valverde

1345 Aspergillosis of the Muscle in a Woman with Sarcoidosis and $CD4^+$ T Lymphocytopenia
J. F. Viallard, E. Monlun, D. Neau, C. Vital, M. Longy-Boursier, and M. Lebras

1346 Pneumonia Due to *Fonsecaea pedrosoi* and Cerebral Abscesses Due to *Emericella nidulans* in a Bone Marrow Transplant Recipient
Arthur Morris, Wiley A. Schell, Deirdre McDonagh, Sara Chaffee, and John R. Perfect

1348 Foscarnet-Resistant Multidermatomal Zoster in a Patient with AIDS
Anne-Marie Fillet, Bertrand Visse, Eric Caumes, Bruno Dumont, Marc Gentilini, and Jean-Marie Huraux

1349 Nonsurgical Management of Neonatal Obstructive Uropathy Due to *Candida albicans*
Maura McDonnell, A. H. Lam, and D. Isaacs

1351 Meningitis and Septicemia Due to *Neisseria cinerea*
Véronique Kirchgesner, Patrick Plesiat, Marie Jeanne Dupont, Jean-Marie Estavoyer, Martine Guibourdenche, Jean-Yves Riou, and Yvon Michel-Briand

Correspondence

1352 Intrathecal Amphotericin B Therapy for Cerebral Mucormycosis
J. G. McCormack

1352 Pott's Disease Caused by *Mycobacterium xenopi*
Paula G. Jones, Mark A. Schrager, and Ronald J. Zabransky

1352 Amphotericin B as Primary Therapy for Cryptococcosis in Patients with AIDS: Reliability of Relatively High Doses Over a Relatively Short Period
Duncan Churchill and Richard Coker

1353 Reply
Fausto de Lalla, Giampietro Pellizzer, Alberto Vaglia, Vinicio Manfrin, Marzia Franzetti, Paolo Fabris, and Clara Stecca

1354 **Notices**

1356 **Statement of Editorial Policy**

Volume 21 • Number 6 *December 1995*

i **Checklist for Submitted Manuscripts**

ii **List of Abbreviations**

1359 **Bloopers**

State-of-the-Art Clinical Article

1361 Syphilis in Adults: From Christopher Columbus to Sir Alexander Fleming to AIDS
Edmund C. Tramont

Clinical Articles

1372 Diagnosis and Treatment of Hepatic Hydatid Cysts with the Aid of Echo-Guided Percutaneous Cyst Puncture
Hosny Salama, M. Farid Abdel-Wahab, and G. Thomas Strickland

1377 **Photo Quiz**

1378 Outpatient Use of Erythromycin: Link to Increased Erythromycin Resistance in Group A Streptococci
Helena Seppälä, Timo Klaukka, Risto Lehtonen, Erkki Nenonen, the Finnish Study Group for Antimicrobial Resistance, and Pentti Huovinen

1386 Seroepidemiology of Chronic Fatigue Syndrome: A Case-Control Study
Alison C. Mawle, Rosane Nisenbaum, James G. Dobbins, Howard E. Gary, Jr., John A. Stewart, Michele Reyes, Lea Steele, D. Scott Schmid, and William C. Reeves

1390 Pneumococcal Meningitis in Children: Prognostic Indicators and Outcome
R. F. Kornelisse, C. M. L. Westerbeek, A. B. Spoor, B. van der Heijde, L. Spanjaard, H. J. Neijens, and R. de Groot

1398 Antimicrobial Resistance and Type Distribution of *Streptococcus pneumoniae* Isolates Causing Systemic Infections in Germany, 1992–1994
R. R. Reinert, A. Queck, A. Kaufhold, M. Kresken, and R. Lütticken

1402 Bacterial Vaginosis in Lesbians: A Sexually Transmitted Disease
Barbara J. Berger, Shelley Kolton, Jonathan M. Zenilman, Marinella C. Cummings, Joseph Feldman, and William M. McCormack

1406 Treatment of Streptococcal Endocarditis with a Single Daily Dose of Ceftriaxone and Netilmicin for 14 Days: A Prospective Multicenter Study
P. Francioli, W. Ruch, D. Stamboulian, and the International Infective Endocarditis Study Group

1411 Application of Neural Networks to the Real-Time Diagnosis of Acute Toxoplasmic Infection in Immunocompetent Patients
Mohammed A. Afifi, Tarek A. Hammad, Nabil S. Gabr, Shahenaz F. S. El-Shinawi, Rifaat M. Khalifa, and Magda E. Azab

1417 Mortality Associated with Nosocomial Bacteremia Due to Methicillin-Resistant *Staphylococcus aureus*
José Romero-Vivas, Margarita Rubio, Cristina Fernandez, and Juan J. Picazo

1424 Spectrum of Parvovirus B19 Infection: Analysis of an Outbreak of 43 Cases in Cadiz, Spain
A. M. García-Tapia, C. Fernandez-Gutiérrez del Alamo, J. A. Girón, J. Mira, F. de la Rubia, A. Martínez-Rodríguez, M. V. Martín-Reina, R. López-Caparros, R. Cáliz, M. S. Caballero, and A. Bascuñana

1431 Alterations in Gastric Acidity in Patients Infected with Human Immunodeficiency Virus
Lynda S. Welage, Peggy L. Carver, Sanjay Revankar, Carl Pierson, and Carol A. Kauffman

Review Article

1439 Present Status of the Use of Cytokines as Adjuvants with Vaccines to Protect Against Infectious Diseases
Rong Lin, Philip E. Tarr, and Thomas C. Jones

International Reports

1450 Management of Vaginal Discharge in Women Treated at a Jamaican Sexually Transmitted Disease Clinic: Use of Diagnostic Algorithms Versus Laboratory Testing
Frieda M.-T. Behets, Yasmin Williams, Alfred Brathwaite, Tina Hylton-Kong, Irving F. Hoffman, Gina Dallabetta, Elisabeth Ward, Myron S. Cohen, and J. Peter Figueroa

1456 Editorial: How Should Clinical Algorithms Be Used for Syndromic Management of Cervical and Vaginal Infections?
Caroline A. Ryan and King K. Holmes

1459 **Answer to Photo Quiz**

Notes

1460 Lactobacillemia in Three Patients with AIDS
Carrie A. Horwitch, Heidi A. Furseth, Ann M. Larson, Trudy L. Jones, Jeffrey F. Olliffe, and David H. Spach

1463 Reactive Hemophagocytic Syndrome. A New Presentation of Disseminated Histoplasmosis in Patients with AIDS
Prasad Rao Koduri, Vishnu Chundi, Patricia DeMarais, Barry A. Mizock, Ashok R. Patel, and Robert A. Weinstein

1466 Immunodeficiency and Elevated CD4 T Lymphocyte Counts in Two Patients Coinfected with Human Immunodeficiency Virus and Human Lymphotropic Virus Type I
Lori Fantry, Eric De Jonge, Paul G. Auwaerter, and Howard M. Lederman

1469 Clinical Usefulness of Intravenous Human Immunoglobulins in Invasive Group A Streptococcal Infections: Case Report and Review
François Lamothe, Patrick D'Amico, Pierre Ghosn, Cécile Tremblay, Joseph Braidy, and Jean-Victor Patenaude

1471 Childhood Bacterial Meningitis in Southwestern Greece: A Population-Based Study
George A. Syrogiannopoulos, Christos J. Mitselos, and Nicholas G. Beratis

1474 Vertebral Osteomyelitis Due to *Roseomonas* Species: Case Report and Review of the Evaluation of Vertebral Osteomyelitis
Ronald G. Nahass, Ronald Wisneski, David J. Herman, Ellen Hirsh, and Kenneth Goldblatt

1477 Serum Therapy for Cryptococcal Meningitis
Morris A. Gordon and Arturo Casadevall

1480 Immunologically Confirmed Disseminated, Asymptomatic *Encephalitozoon cuniculi* Infection of the Gastrointestinal Tract in a Patient with AIDS
Caspar Franzen, David A. Schwartz, Govinda S. Visvesvara, Andreas Müller, Achim Schwenk, Bernd Salzberger, Gerd Fätkenheuer, Pia Hartmann, Gustav Mahrle, Volker Diehl, and Matthias Schrappe

1485 Treatment of Cerebral Aspergillosis with Itraconazole: Do High Doses Improve the Prognosis?
Carlos Sánchez, Elisabet Mauri, David Dalmau, Salvador Quintana, Alberto Aparicio, and Javier Garau

1488 Hemorrhagic Stroke as a Complication of Bacterial Meningitis in Adults: Report of Three Cases and Review
Alexandre Gironell, Pere Domingo, Jordi Mancebo, Pere Coll, and Josep Ll. Martí-Vilalta

1492 Inflammatory Pseudotumor Presenting as Fever of Unknown Origin
Randall G. Fisher, Peter F. Wright, and Joyce E. Johnson

1495 Diagnosis of Ornithosis by Cell Culture and Polymerase Chain Reaction in a Patient with Chronic Pneumonia
A. Essig, P. Zucs, M. Susa, G. Wasenauer, U. Mamat, M. Hetzel, U. Vogel, S. Wieshammer, H. Brade, and R. Marre

1498 Prognostic Significance of Quantitative Bacteremia in Septicemic Melioidosis
Amanda L. Walsh, Michael D. Smith, Vanaporn Wuthiekanun, Yupin Suputtamongkol, Wipada Chaowagul, David A. B. Dance, Brian Angus, and Nicholas J. White

1501 An Outbreak of Infusion-Related *Klebsiella pneumoniae* Bacteremia in a Liver Transplantation Unit
Angella M. Goetz, John D. Rihs, Joseph W. Chow, Nina Singh, and Robert R. Muder

1504 Seizures Associated with Ofloxacin Therapy
Sheldon M. Traeger, Mark F. Bonfiglio, James A. Wilson, Bradley R. Martin, and Nicholas A. Nackes

1507 Strain Variation and Antifungal Susceptibility Among Bloodstream Isolates of *Candida* Species from 21 Different Medical Institutions
M. A. Pfaller, J. Rhine-Chalberg, A. L. Barry, and J. H. Rex for the NIAID Mycoses Study Group and the Candidemia Study Group

Brief Reports

1510 *Cryptococcus neoformans* Myositis in a Patient with AIDS
Brent A. Barber, James M. Crotty, Ronald G. Washburn, and P. Samuel Pegram

1511 Household Transmission of Vancomycin-Resistant *Enterococcus faecium*
Raja Shekar, Gavin Chico, Steven N. Bass, Krystyna Strozewski, and James Biddle

1512 Isolation of a Nutritionally Aberrant Strain of *Cryptococcus neoformans* from a Patient with AIDS
William Michael Dunne, Jr., Geetha Bhandarkar, and Daniel Nafziger

1513 Outbreak of Diarrhea Due to *Vibrio parahaemolyticus* Among Military Personnel in Lima, Peru
Rodolfo E. Begue, Rina Meza, Graciela Castellares, Cesar Cabezas, Bruno Vasquez, Alfonso Ballardo, Jose Cam, and Jose L. Sanchez

1514 Foscarnet Therapy for Acyclovir-Resistant Herpes Simplex Virus 1 Infection in Allogeneic Bone Marrow Transplant Recipients
Harmesh R. Naik, Nayyar Siddique, and Pranatharthi H. Chandrasekar

1515 Unusual Pigmentation in Patients with AIDS Who Are Receiving Rifabutin for Bacteremia Due to *Mycobacterium avium/Mycobacterium intracellulare* Complex
Jean F. Smith and Timothy P. Flanigan

1516 Atypical Infection Due to *Vibrio cholerae* in Patients Infected with Human Immunodeficiency Virus
Rosa Maria Estrada y Martín, Blanca Samayoa, Eduardo Arathoon, Rubén Mayorga, and Jaime Eduardo Hernández

1517 Oral Ciprofloxacin Therapy for Prosthetic Valve Endocarditis Due to *Actinobacillus actinomycetemcomitans*
Timothy J. Babinchak

1518 Bacterial Pericarditis and Cardiac Tamponade in Patients Infected with Human Immunodeficiency Virus Type 1: Case Report and Review
Ernesto G. Scerpella, Ashfaq A. Fatmi, and Miguel A. Brito

1520 Use of Bacitracin Therapy for Infection Due to Vancomycin-Resistant *Enterococcus faecium*
John K. S. Chia, Michael M. Nakata, Susan S. Park, Robert P. Lewis, and Barbara McKee

1521 Use of Random Amplified Polymorphic DNA for Detection of *Trichinella britovi* Outbreaks in Spain
Esperanza Rodriguez, Javier Nieto, Mercedes Rodriguez, and Teresa Garate

1522 Severe Sepsis Caused by *Clostridium sordellii* Following Liver Biopsy in a Liver Transplant Recipient
Francine Mory, Alain Lozniewski, Marie N. Guirlet, Dominique Guidat, Laurent Bresler, Michèle Weber, and Patrick Boissel

1523 Pyoderma Gangrenosum Complicated by Underlying Osteomyelitis: Successful Treatment with Radical Surgical Debridement and Cyclosporine Therapy
Denise J. Signs and Douglas S. Wagner

1524 Pulmonary Cryptococcosis Presenting as Pneumothorax in a Patient with AIDS
Donato Torre, Roberto Martegani, Filippo Speranza, Claudia Zeroli, and Giovanni Paolo Fiori

1525 Septic Arthritis of the Sternoclavicular Joint
Sushil George and Michael Wagner

Correspondence

1527 Use and Standardization of the *Mycobacterium avium* Sensitin Skin-Test Reagent
C. Fordham von Reyn and Mogens Magnusson

1528 Reply
Sotiros D. Chaparas

1529 Reply
A. M. Margileth

1530 Porphyria Cutanea Tarda Associated with Human Immunodeficiency Virus Infection
W. Kemper Alston

1530 Human Immunodeficiency Virus Infection and Porphyria Cutanea Tarda
Dietmar Fuchs, Gabriele Baier-Bitterlich, and Helmut Wachter

1531 Detection of *Corynebacterium diphtheriae* in Throat Swab Specimens from Spanish Patients Infected with Human Immunodeficiency Virus
Eva Nieto, Jose M^a Aguado, Federico Pulido, and Francisco Soriano

1532 Fungal Liver Involvement in Bone Marrow Transplant Recipients
Namrata Anand, Abhay Anand, and Ajay Anand

1533 Multiple Bacille Calmette-Guérin Vaccinations and Interpretation of the Mantoux Test in Children
Dennis L. Murray

1533 Reply
Timothy F. Brewer

1534 Reply
P. E. M. Fine

Book Reviews

1535 Infections of the Gastrointestinal Tract
Written by Martin J. Blaser, Phillip D. Smith, Jonathan I. Ravdin, Harry B. Greenberg, and Richard L. Guerrant
Reviewed by Sherman M. Mellinkoff

1535 Principles and Practices of Clinical Virology
Written by A. J. Zuckerman, J. E. Banatvala, and J. R. Pattison
Reviewed by Thomas C. Cesario

1536 **Notices**

1537 **Statement of Editorial Policy**

1539 **Instructions to Authors**

1541 **Reviewers for Volume 21**

1547 **Author Index to Volume 21**

1554 **Subject Index to Volume 21**

Tables of Contents for Volume 21

Volume 21 • Supplement 3 *December 1995*

Bacterial Pneumonia—Pathogenesis, Pathogens, Diagnosis, and Treatment

S203 Introduction
Paul H. Edelstein

S204 The Molecular Basis of Pneumococcal Infection: A Hypothesis
Diana Cundell, H. Robert Masure, and Elaine I. Tuomanen

S213 Effectiveness of Control Programs for Pneumonia Among Children in China and Fiji
Akira Shimouchi, Dai Yaohua, Zhu Zhonghan, and Vilikesa B. Rabukawaqa

S218 The Management of Pneumonia in Children in Developing Countries
Frank Shann

S226 Diagnosis and Treatment of Nosocomial Pneumonia in Patients in Intensive Care Units
Jean Chastre, Jean-Yves Fagon, and Jean Louis Trouillet

S238 The *Streptococcus milleri* Group as a Cause of Pulmonary Infections
Takashi Shinzato and Atsushi Saito

S244 Pneumonia Due to *Chlamydia pneumoniae:* Prevalence, Clinical Features, Diagnosis, and Treatment
Maritta Kauppinen and Pekka Saikku

S253 *Coxiella burnetii* (Q Fever) Pneumonia
Thomas J. Marrie

S265 Antimicrobial Chemotherapy for Legionnaires' Disease: A Review
Paul H. Edelstein